### ATENT COOPERATION TREAT

From the INTERNATIONAL SEARCHING AUTHORITY

To: SEMICONDUCTOR ENERGY LABORATORY CO.,LTD.

398, Hase, Atsugi -shi, Kanagawa 2430036 Japan



### **PCT**

WRITTEN OPINION OF THE

		INTERNAT	FIONAL SEARCHING AUTHORITY (PCT Rule 43 bis. 1)
		Date of mailing (day/month/year)	08.11.2005
Applicant's or agent's file reference 0000PCT8196		FOR FURTHER ACTION See paragraph 2 below	
International application No. PCT/JP2005/018243 International filing date 27.09.			Priority date (day/month/year) 30.09.2004
International Patent Classification (IPC) of Int.Cl. H01L51/50 (2006. 01)	or both national classificati	ion and IPC	
Applicant SEMICONDUCTOR ENER	GY LABORATO	RY CO., L'	TD.

1.	This	his opinion contains indications relating to the following items:				
	V	Box No. I	Basis of the opinion			
		Box No. II	Priority			
		Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
		Box No. IV	Lack of unity of invention			
٠	V	Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
	V	Box No. VI	Certain documents cited			
		Box No. VII	Certain defects in the international application			
	V	Box No. VIII	Certain observations on the international application			
2.	FURT	THER ACTION				
	If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.					
	If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.					
	For fu	rther options, se	e Form PCT/ISA/220.			
3.	For fu	rther details, see	notes to Form PCT/ISA/220.			

Date of completion of this opinion 27.1	0.2005	
Name and mailing address of the ISA/JP	Authorized officer	2V 9314
Japan Patent Office	Toshimitsu Satomura	
3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915,		. 3271

# WRI ... EN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Int. tional application No.

PCT/JP2005/018243

В	No. 1	Basis of the opinion
1.	With	regard to the language, this opinion has been established on the basis of:
	V	the international application in the language in which it was filed
		a translation of the intermedianal and the state of the s
		translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
		restriction and 23.1(b)).
2.	With claim	regard to any nuclectide and/or amino acid sequence disclosed in the international application and necessary to the led invention, this opinion has been established on the basis of:
	a. typ	e of material
		table(s) related to the sequence listing
		mat of material
		on paper
		in electronic form
		e of filing/furnishing
		contained in the international application as filed
		filed together with the international application in electronic form
	Π	furnished subsequently to this Authority for the purposes of search
3.	1	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Additio	onal comments:
		i de la companya de

## WR: EN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Intipitional application No.
PCT/JP2005/018243

Box No. V Reasoned statement citations and explan		nder Rule 43 ions support	bis.1(a)(i) with regard to novelty, invi ing such statement	entive step or industrial applicability
1. Staten	nent			
No	ovelty (N)	Claims Claims	1-19	YES NO
Inv	ventive step (IS)	Claims Claims	1-19	YES NO
Ind	lustrial applicability (IA)	Claims Claims	1-19	YES NO

#### 2. Citations and explanations:

None of the cited prior arts in the International Search Report does not disclose a light emitting element comprising, at least, a third layer including a transparent conductive film interposed between a first and a second electrode, wherein the third layer and the second electrode containing a metal are not in direct contact by the insertion of a fourth layer containing a hole-transporting medium.

# WR: EN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Interprinal application No.

PCT/JP2005/018243

Box No. VI	Certain documents cited	
------------	-------------------------	--

1. Co	Certain published documents (Rules 43 bis. 1 and 70.10)				
i	Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)	
JP	2004-281371 A E,Y	07.10.2004	08.10.2003	09.10.2002	
JP	2005-166637 A E,A	23.06.2005	06.10.2004	10.11.2003	
JP	2005-251587 A E,A	15.09.2005	04.03.2004		

2	Non-written disclosures (Rules 43 bis.1 and 70.9)
2.	Non-written disclosures (Rules 43018.1 and 70.3)

Kind of non-written disclosure	Date of non-written disclosu
	(day/month/year)

Date of written disclosure referring to non-written disclosure (day/month/year)

## WRI NOPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Intertional application No.
PCT/JP2005/018243

#### Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

With regard to all of the claims

As described in all of the embodiments and examples, claimed inventions are characterized in that the electric erosion between a reflective metal cathode and a third layer including a transparent conductive film can be prevented by inserting a fourth layer containing a hole-transporting medium between the reflective metal cathode and the third layer.

However, all of the claims do not identify the second electrode as the cathode. Therefore, claimed inventions are not substantially supported by the specification under the meaning of PCT Article 6.